

Biotechnology-Careers for the 21st Century

Grade Level	Twelfth
Minimum Time Required	90 Minutes
Materials/Resources	BIOTECHNOLOGY-CAREERS FOR THE 21 st CENTURY (Video) Available from the Technical Education Resource Center 773-7030 - Biotechnology worksheet
Subject Area(s)	Science - Guidance

Project Description:

1. Show students the video Biotechnology - Careers for the 21st Century available from the Technical Education Resource Center in Pierre. (773-7030).
2. While viewing the video, ask students to list the jobs performed by employees in each of the following areas. (See notetaking guide attached.)

Chemical & Biological
Research & Development
Electrical & Mechanical

Construction & Architectural
Communication & Marketing
3. After students have completed their list, process class observations and create a collated chart on the board.
4. Ask students to prepare a written report indicating which jobs featured in the video they would have an interest in. Ask them to share their reports with the class.

Career Development Standard	Skills to locate, evaluate, and interpret career information.
Career Development Indicator	Demonstrate knowledge of various classification systems that categorize occupations and industries (e.g. Dictionary of Occupational Titles).
Delivery Level	Introductory
Academic Standards	
Language Arts	2.4.a write a clarify thinking and what is known about various topics. 3.2.b evaluate the validity and accuracy of various types of oral and visual information. 3.3.c use organizing and categorizing strategies to recall oral/visual information.
Employability/SCANS Skills	Basic Skills Thinking Skills
Assessment/Rubric	Students will be evaluated on their written and oral reports.

Submitted by: Peg Holmquest, Watertown High Science Instructor

BIOTECHNOLOGY—CAREERS FOR THE 21ST CENTURY

CHEMICAL & BIOLOGICAL

ELECTRICAL & MECHANICAL

CONSTRUCTION & ARCHITECTURAL

RESEARCH & DEVELOPMENT

COMMUNICATIONS & MARKETING